



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/717,884

11/20/2003

Ross W. Duncan

10758.00

9400

26889 7590 03/16/2009

MICHAEL CHAN
NCR CORPORATION
1700 SOUTH PATTERSON BLVD
DAYTON, OH 45479-0001

EXAMINER

CHANKONG, DOHM

ART UNIT

PAPER NUMBER

2452

MAIL DATE

DELIVERY MODE

03/16/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/717,884	Applicant(s) DUNCAN, ROSS W.	
	Examiner DOHM CHANKONG	Art Unit 2452	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 January 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 20-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 20-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to Applicant's request for continued examination. Claims 1-19 are cancelled. Claims 20-23 are added. Accordingly, claims 20-23 are presented for further examination.

2. This action is a non-final rejection.

Continued Examination Under 37 CFR 1.114

3. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/21/2009 has been entered.

Response to Arguments

4. Applicant's arguments with respect to claims 20-23 have been considered but they do not overcome the Drummond reference. Applicant argues that Drummond does not disclose a second script engine which is difference from the first script engine and other than Java Virtual Machine where the second engine communicates with the web browser and the software agent infrastructure and operating to (i) parse script having a dedicated agent extension different from the extension indicative of the Java script and (ii) translate data output from the portal agent to a

Art Unit: 2452

format which can be interpreted by the web browser and thereby to establish a communication link between the web browser and the software agent infrastructure.

Drummond discloses a second script engine in the form of a common gateway interface (CGI). Specifically Drummond discloses:

“This may be accomplished by *using a CGI in connection with either the HTML document handling portion of the ATM* or the HTTP home server or other server. The CGI operates in connection with a message conversion program and database to cull the necessary data from the HTML documents and response messages and generate the defined transaction request messages appropriate for the proprietary transaction network. *Likewise, the message conversion program and CGI operate to receive function command messages from the proprietary network and convert them and generate appropriate HTML documents and/or TCP/IP messages for use by the ATM.* Because these proprietary network formats are defined and the data necessary to produce and interpret the messages are known, the use of the ATM 12 directly in a conventional proprietary ATM network is achieved” [column 32 «lines 13-30»].

While Drummond does not disclose that the CGI executes a script having an extension different from the extension indicative of a Java script, CGI scripts are well known in the art.

For example, *Microsoft Computer Dictionary* (5th Edition) defines CGI as:

“[t]he specification that defines communications between information servers (such as HTTP servers) and resources on the server’s host computer, such as databases and other programs. For example, when a user submits a form through a web browser, the HTTP server executes a program (*often called a CGI script*) and passes the user’s input information to that program via CGI.” [pg. 93].

This definition is consistent with how Drummond utilizes CGI in his automated teller machine and therefore the CGI script may be inferred into Drummond’s system based on the well known definition of CGI. For the foregoing reasons and the reasons set forth in the following rejection, Drummond’s CGI reads on Applicant’s claimed second script engine.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 20-23 are rejected under 35 U.S.C. §102(e) as being unpatentable over Drummond et al, U.S. Patent No. 6,970,846 ["Drummond"].

6. As to claim 20, Drummond discloses a self-service terminal comprising:

a web browser [Fig. 2, «item 76»];

a Java Virtual Machine executing on the Web browser and for executing Java code associated with a Web page, the Java Virtual Machine including a first script engine for parsing Java script having an extension indicative of Java script [Fig. 2 «items 80, 82»: java environment reads on virtual machine];

a software agent infrastructure comprising a plurality of interacting agents, the plurality of interacting agents including a portal agent which receives communications on behalf of the agent infrastructure [Fig. 2 «items 70, 84, 109»: applets read on claimed agent infrastructure and server program reads on portal agent | column 32 «lines 48-56»: server is located in the ATM which serves as a link to transaction instructions]; and

Art Unit: 2452

a second script engine different from the first script engine and other than a Java Virtual Machine [column 32 «lines 13-18»: CGI is well known in the art for executing CGI scripts], the second script engine communicating with the web browser and the software agent infrastructure [column 32 «lines 22-30 and 48-56»: CGI communicates with the browser and server to cull necessary data from HTML documents and response messages] and operating to (i) parse script having a dedicated agent extension different from the extension indicative of Java script [see Response to Arguments above | CGI scripts are implied from Drummonds use of CGI and CGI scripts have a different extension from Java scripts]'and (ii) translate data output from the portal agent to a format which can be interpreted by the web browser and thereby to establish a communication link between the web browser and the software agent infrastructure [column 32 «lines 22-30 and 48-56»: the CGI converting messages received from the server (within the ATM) to be displayed at the browser].

7. As to claim 21, Drummond discloses a self-service terminal as claimed in claim 20, wherein the format which can be interpreted by the web browser is HTML [column 4 «lines 31-36»].

8. As to claim 22, Drummond discloses A method of establishing a communication link between a web browser and a software agent infrastructure that outputs data in a first format which is unable to be interpreted by the web browser, the method comprising:

Art Unit: 2452

receiving a request from the web browser for data or functionality available from the software agent infrastructure [column 32 «lines 36-42 and 48-56»: the server in the ATM produces transaction requested by the browser];

translating the request received from the web browser into a second format which is able to be interpreted by software agent infrastructure [column 32 lines 22-26»]; and

transmitting the translated request to the software agent infrastructure to establish the communication link between the web browser and the software agent infrastructure [column 32 lines 22-26»].

9. As to claim 23 Drummond discloses the method of claim 22 wherein the second format which is able to be interpreted by the web browser is HTML [column 4 «lines 31-36»].

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DOHM CHANKONG whose telephone number is (571)272-3942. The examiner can normally be reached on Monday-Friday [8:30 AM to 4:30 PM].

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on 571.272.3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2452

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dohm Chankong/
Examiner, Art Unit 2452